

Patent Claims

1. A door lock, in particular for motor vehicles,
having a rotary latch (14) and a closing aid (10)
5 which acts on the latter and, with the aid of a
drive, carries along the door to be closed over
the last section into the closed position,
characterized in that the drive of the closing aid
(10) is separated structurally from the door lock
10 (12) and a flexible drive element (24) is provided
for transmitting force from the drive to the
rotary latch (14).
2. The door lock as claimed in claim 1, characterized
15 in that rotary latch (14) can be moved into its
closed position counter to the force of a
restoring spring by the flexible drive element in
the form of a tension element.
- 20 3. The door lock as claimed in claim 1 or 2,
characterized in that the drive drives a cable
winch or a cable eccentric (22) onto which the
drive element can be wound.
- 25 4. The door lock as claimed in one of claims 1 to 3,
characterized in that the flexible drive element
is designed as a metal cable (24).
5. The door lock as claimed in one of the preceding
30 claims, characterized in that the flexible drive
element undergoes a change in direction with the
aid of at least one deflection roller (26).
6. The door lock as claimed in claim 5, characterized
35 in that the deflection roller (26) can be moved
from its normal position into an auxiliary opening
position shortening the path of the drive element.
7. The door lock as claimed in claim 6, characterized

in that the deflection roller (26) is arranged on a toggle lever (38) which can be folded in by actuation of an auxiliary opening device.

- 5 8. The door lock as claimed in one of the preceding claims, characterized in that the drive element is kept under stress in all operating states by at least one prestressing spring.
- 10 9. The door lock as claimed in claim 8, characterized in that at least the restoring spring of the rotary latch and/or the restoring spring of a driving lever (30) acting on said rotary latch ensures that the drive element is prestressed.